

August 27, 2013

Sigma Project Ref. #13841

Mr. Mike Lesnet  
Edward Hines Jr. VA Hospital  
5000 S. 5<sup>th</sup> Avenue  
Hines, Illinois 60141

RE: Replace Water Main – Phase 2  
AE Estimate – Contaminated Soil Disposal

Dear Mr. Lesnet:

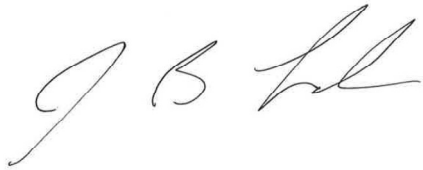
Please find attached our AE estimate for disposal of the contaminated soil pile associated with Phase 2 of the Replace Water Main project at the Edward Hines Jr. VA Hospital. This AE estimate is being submitted at your request. As shown on the attached spreadsheet, our AE estimate for disposal of the soil is \$461,600. Our estimate is based on the following assumptions:

- Soil to be disposed of as non-hazardous waste at Waste Management's Laraway Landfill in Joliet, Illinois
- Estimated 6,650 cubic yards of soil to be disposed of or approximately 9,975 tons (based on an assumed conversion of 1.5 tons per cubic yard of soil)
- Additional soil analysis for flashpoint, reactive sulfide, reactive cyanide, TCLP metals, TCLP pyridine and Polycyclic Aromatic Hydrocarbons (PAHs) based on information provided by the Laraway Landfill; one sample required
- Assumes 20 truck loads per day at 18 cubic yards per truck load for a total of approximately 18.5 days
- Disposal fee of \$17 per ton based on budgetary quote provided by Laraway Landfill
- 20% overhead and profit included

Please note that hauling fees can vary significantly depending upon time of day, time of week and time of year that hauling is performed. In addition, the number of days required for loading, hauling and disposal can vary significantly depending upon the number of trucks used to haul the soil.

If you have any question regarding our estimate, please do not hesitate to contact us.

**The Sigma Group**

A handwritten signature in black ink, appearing to read 'J B Leedom', written in a cursive style.

James B. Leedom, P.E., LEED A.P.

Senior Project Engineer

414-643-4169

[jleedom@thesigmagroup.com](mailto:jleedom@thesigmagroup.com)

Cc: Matthew Mikolainis, HGA

Cory Powers, HGA

# DEPARTMENT OF VETERANS AFFAIRS

EMIS CONSTRUCTION PROGRAM-ESTIMATE WORKSHEET													DATE:	8/22/2013		SHEET #	1 OF		1
PROJECT #		LOCATION			PROJECT NAME:								TYPE OF ESTIMATE						
578-__-__		VAH HINES HOSPITAL, HINES, IL			Replace Existing Water Mains Soil Disposal								<input checked="" type="checkbox"/> NO DESIGN COMPLETED <input type="checkbox"/> PRELIMINARY DESIGN <input type="checkbox"/> FINAL DESIGN <input type="checkbox"/> OTHER (SPECIFY)						
ESTIMATOR		NEW	ALT	INDEX #	BUILDING #				DRAWING #										
James Leedom																			
CODE				SYSTEM/ SUB SYSTEM		LABOR				MATERIALS				TOTAL					
A	B	C	D			QTY.	UNIT	\$/ UNIT	TOTAL (\$)	QTY.	UNIT	\$/ UNIT	TOTAL (\$)						
				Soil Analytical		6	hrs	\$100.00	\$600.00	1	LS	700	\$700						
				Soil Loading						9,975	tons	2.5	\$24,938						
				Soil Hauling						9,975	tons	\$16	\$159,600						
				Soil Disposal (tipping fees)						9,975	tons	\$17.00	\$169,575						
				Professional Coordination/Permitting		20	hrs	\$130.00	\$2,600.00										
				Flag Person		150	hrs	\$70.00	\$10,500.00										
				Site Super		150	hrs	\$85.00	\$12,750.00										
				Site Management		40	hrs	\$85.00	\$3,400.00										
									\$29,850.00			Sub Total	\$ 354,812.50	\$384,662.50					
				Profit and Overhead (20%)										\$76,932.50					
												TOTAL		\$461,595.00					
														Say \$461,600					
				For Official Use Only															

DEPARTMENT OF VETERANS AFFAIRS															
EMIS CONSTRUCTION PROGRAM-ESTIMATE WORKSHEET										DATE:	8/22/2013		SHEET # 1 OF 1		
PROJECT #		LOCATION			PROJECT NAME:						TYPE OF ESTIMATE				
578-__-__		VAH HINES HOSPITAL, HINES, IL			<b>Replace Existing Water Mains</b> <b>Soil Disposal</b>						<input checked="" type="checkbox"/> NO DESIGN COMPLETED				
ESTIMATOR		NEW	ALT	INDEX #	BUILDING #						DRAWING #		PRELIMINARY DESIGN		
James Leedom											FINAL DESIGN		OTHER (SPECIFY)		
CODE				SYSTEM/ SUB SYSTEM			LABOR				MATERIALS				TOTAL
A	B	C	D				QTY.	UNIT	\$/ UNIT	TOTAL (\$)	QTY.	UNIT	\$/ UNIT	TOTAL (\$)	

